Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L55	2	(gradient and pixel and line and (squared or squaring or square) and (absolute adj value)).CLM.	US-PGPUB	OR	OFF	2005/09/14 15:05
L46	0	382/201.ccls. and (gradient same absolute)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:38
L45	1	382/201.ccls. and (gradient same squared)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:38
L44	301	382/201.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:38
L43	7	382/194.ccls. and (gradient same absolute)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:38
L42	1	382/194.ccls. and (gradient same squared)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:38
L40	188	382/194.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:33
L39	0	382/113.ccls. and (gradient same squared)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:33
L33	2	345/643.ccls. and (gradient same absolute)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:33
L38	0	382/113.ccls. and (gradient same absolute)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:31
L37	152	345/643.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:31
L35	167	382/113.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:31

L34	0	345/643.ccls. and (gradient same squared)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:31
L31	1	345/619.ccls. and (gradient same squared)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:29
L32	3	345/619.ccls. and (gradient same absolute)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:28
L30	62	358/2.1.ccls. and ((text or character) same graphic same (detect$3 or discrimin$3 or different$3 or distinguish$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:23
S148	0	358/2.1.ccls. and ((non-linear or (non adj linear)) same gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:22
S147	1	382/228.ccls. and ((non-linear or (non adj linear)) same gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:22
S141	61	358/2.1.ccls. and ((text or character) same graphic same (detect$3 or discrimin$3 or different$3 or distinguish$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:22
L29	0	358/2.1.ccls. and ((non-linear or (non adj linear)) same gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:22
L28	1	382/228.ccls. and ((non-linear or (non adj linear)) same gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:22
S146	0	382/176.ccls. and ((non-linear or (non adj linear)) same gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:21
S145	1	358/464.ccls. and ((non-linear or (non adj linear)) same gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:21
S144	0	358/462.ccls. and ((non-linear or (non adj linear)) same gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:21

S142	1	345/619.ccls. and ((non-linear or (non adj linear)) same gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:21
S140	3	358/462.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:21
L27	0	382/176.ccls. and ((non-linear or (non adj linear)) same gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:21
L26	1	358/464.ccls. and ((non-linear or (non adj linear)) same gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:21
L25	0	358/462.ccls. and ((non-linear or (non adj linear)) same gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:21
L24	1	345/619.ccls. and ((non-linear or (non adj linear)) same gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:21
L23	3	358/462.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:21
L22	53	358/462.ccls. and (gradient and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:21
S139	53	358/462.ccls. and (gradient and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:20
S138	2	345/619.ccls. and (gradient and squared and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:20
S137	5	382/228.ccls. and (gradient and squared and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:20
S136	3	345/619.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:20

S135	3	382/228.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:20
L21	3	345/619.ccls. and (gradient and squared and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:20
L20	5	382/228.ccls. and (gradient and squared and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:20
L19	3	345/619.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:20
L18	3	382/228.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:20
S134	5	("345"/$.ccls. or "382"/$.ccls or "358"/$.ccls.) and (gradient and (roberts adj operator))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:19
S132	53	382/176.ccls. and (gradient)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2005/09/14 14:19
L17	5	("345"/$.ccls. or "382"/$.ccls or "358"/$.ccls.) and (gradient and (roberts adj operator))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:19
L16	57	382/176.ccls. and (gradient)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2005/09/14 14:19
S133	0	382/176.ccls. and (spatial adj gradient)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2005/09/14 14:18
S131	24	382/176.ccls. and (pixel near7 gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:18

L15	0	382/176.ccls. and (spatial adj gradient)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2005/09/14 14:18
L14	26	382/176.ccls. and (pixel near7 gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:18
S130	8	345/619.ccls. and (pixel near7 gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:17
S129	10	("345"/$.ccls. or "382"/$.ccls. or "358"/$.ccls.) and ((spatial adj gradient) and ((non-linear) or (non adj3 linear)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:17
S126	4	382/176.ccls. and ((non-linear or (non adj linear)) and gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:17
L13	9	345/619.ccls. and (pixel near7 gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:17
L12	10	("345"/$.ccls. or "382"/$.ccls. or "358"/$.ccls.) and ((spatial adj gradient) and ((non-linear) or (non adj3 linear)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:17
L11	4	382/176.ccls. and ((non-linear or (non adj linear)) and gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:17
S128	0	("345"/$.ccls. or "382"/$.ccls. or "358"/$.ccls.) and ((spatial adj gradient) same ((non-linear) or (non adj3 linear)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:16
L10	0	("345"/$.ccls. or "382"/$.ccls. or "358"/$.ccls.) and ((spatial adj gradient) same ((non-linear) or (non adj3 linear)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:16
S127	0	382/176.ccls. and (spatial adj gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:15
S125	0	382/176.ccls. and (gradient and smoothness)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:15

L9	0	382/176.ccls. and (spatial adj gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:15
L8	0	382/176.ccls. and (gradient and smoothness)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:15
S124	0	382/176.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:14
L7	0	382/176.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:14
L6	3	andree-f.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:14
L5	8	srinidhi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 14:14
S122	3	andree-f.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 13:10
S121	2	andree-fred.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 13:10
S120	7	srinidhi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 13:10
S119	2	srinidhi-kadagattur.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 13:10
L4	2	andree-fred.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 13:10
L3	2	srinidhi-kadagattur.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 13:10

S115	1	345/619.ccls. and ((non-linear or (non adj linear)) same gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:34
S111	52	358/462.ccls. and (gradient and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:33
S110	51	358/2.1.ccls. and ((text or character) same graphic same (detect$3 or discrimin$3 or different$3 or distinguish$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:33
S108	3	358/462.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:33
S28	2	345/619.ccls. and (gradient and squared and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:33
S23	3	382/228.ccls. and (gradient and squared and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:33
S103	5	("345"/$.ccls. or "382"/$.ccls or "358"/$.ccls.) and (gradient and (roberts adj operator))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:32
S101	50	382/176.ccls. and (gradient)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2005/06/15 09:32
S27	2	345/619.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:32
S22	2	382/228.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:32
S93	21	382/176.ccls. and (pixel near7 gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:30
S92	7	345/619.ccls. and (pixel near7 gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:30

S78	9	("345"/$.ccls. or "382"/$.ccls. or "358"/$.ccls.) and ((spatial adj gradient) and ((non-linear) or (non adj3 linear)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:30
S77	0	("345"/$.ccls. or "382"/$.ccls. or "358"/$.ccls.) and ((spatial adj gradient) same ((non-linear) or (non adj3 linear)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:30
S76	0	382/176.ccls. and (spatial adj gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:29
S75	3	382/176.ccls. and ((non-linear or (non adj linear)) and gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:29
S72	0	382/176.ccls. and (gradient and smoothness)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:29
S71	0	382/176.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:29
S123	499	382/176.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:26
S57	454	382/176.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 09:26
S70	2	andree-f.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 08:43
S67	2	srinidhi-kadagattur.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 08:43
S55	0	andree-fred.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 08:43
S54	6	srinidhi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 08:43

S118	2	"6078697".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/15 08:42
S117	1	358/464.ccls. and ((non-linear or (non adj linear)) same gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 13:50
S116	0	358/462.ccls. and ((non-linear or (non adj linear)) same gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 13:50
S114	1	382/228.ccls. and ((non-linear or (non adj linear)) same gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 13:49
S74	0	382/176.ccls. and ((non-linear or (non adj linear)) same gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 13:49
S113	2	382/228.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 13:48
S112	392	382/176.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2004/11/09 13:48
S100	0	382/176.ccls. and (spatial adj gradient)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2004/11/09 13:48
S66	46	358/2.1.ccls. and ((text or character) same graphic same (detect$3 or discrimin$3 or different$3 or distinguish$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 13:47
S107	2	345/619.ccls. and (gradient and squared and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 13:46
S106	2	345/619.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 13:46
S105	22	382/228.ccls. and (gradient and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 13:46

S104	286	358/2.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 13:46
S63	3	358/462.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 13:46
S60	2	345/619.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 13:46
S59	21	382/228.ccls. and (gradient and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 13:46
S58	241	358/2.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 13:46
S17	145	("345"/$.ccls. or "382"/$.ccls or "358"/$.ccls.) and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 12:30
S102	2	S101 and (non adj3 linear)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2004/11/09 12:12
S99	2	S94 and (non adj3 linear)	US-PGPUB; USPAT; DERWENT	OR	OFF	2004/11/09 12:09
S98	2	S94 and (non-linear)	US-PGPUB; USPAT; DERWENT	OR	OFF	2004/11/09 11:11
S97	2	S94 and (index near3 pixel)	US-PGPUB; USPAT; DERWENT	OR	OFF	2004/11/09 11:11
S96	0	S94 and (index near3 smooth$3)	US-PGPUB; USPAT; DERWENT	OR	OFF	2004/11/09 11:11
S95	2	S94 and (pixel near3 classifi$5)	US-PGPUB; USPAT; DERWENT	OR	OFF	2004/11/09 11:11

S94	12	(US-5331442-$ or US-5502793-$ or US-5867593-$ or US-6078697-$ or US-6111982-$ or US-6195459-$ or US-6233353-$ or US-6272240-$ or US-6466693-$ or US-6529629-$ or US-6549678-$ or US-6631210-$).did.	USPAT	OR	OFF	2004/11/09 11:10
S73	54	382/176.ccls. and (gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/05 09:56
S15	48	382/176.ccls. and (gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/05 09:54
S14	0	382/176.ccls. and (gradient and smoothness)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/05 09:54
S13	0	382/176.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/05 09:54
S69	1	andree-fred.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/05 09:52
S68	7	srinidhi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/05 09:52
S5	1	andree-f.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/05 09:52
S3	0	andree-fred.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/05 09:52
S2	2	srinidhi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/05 09:52
S1	1	srinidhi-kadagattur.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/05 09:52
S65	0	358/2.1.ccls. and (gradient same (text or character) same graphic same (detect$3 or discrimin$3 or different$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/28 12:53

S64	50	358/462.ccls. and (gradient and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/28 12:26
S62	32	345/619.ccls. and (gradient and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/28 12:26
S61	2	345/619.ccls. and (gradient and squared and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/28 12:26
S33	50	358/462.ccls. and (gradient and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/28 12:25
S31	3	358/462.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/28 12:25
S29	29	345/619.ccls. and (gradient and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/28 12:25
S25	18	382/228.ccls. and (gradient and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/28 12:25
S11	412	382/176.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/28 11:52
S56	1	andree-f.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/28 11:51
S53	2	srinidhi-kadagattur.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/28 11:51
S52	72	sobel and squar$3 and ("345"/$. ccls. or "382"/$.ccls or "358"/$. ccls.)	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/11/18 15:27
S51	12	(US-6631210-$ or US-6078697-$ or US-5331442-$ or US-6233353-$ or US-6111982-$ or US-5502793-$ or US-6195459-$ or US-6529629-$ or US-6272240-$ or US-5867593-$ or US-6466693-$ or US-6549678-$).did.	USPAT	OR	OFF	2003/11/18 15:24

S50	59	absolute adj gradient	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 15:05
S49	125	((gradient near7 squar$3) and sum) and ("345"/$.ccls. or "382"/$.ccls. or "358"/$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 15:03
S48	753	(gradient near7 squar$3) and sum	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 14:58
S47	1548	gradient near7 squar$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 14:57
S46	46	smoothness adj index	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 14:57
S16	642	gradient and smoothness and pixel	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 14:57
S45	12	382/173.ccls. and (gradient and smoothness)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 14:54
S44	12	382/173.ccls. and (gradient and smoothness and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 11:49
S43	125	382/173.ccls. and (gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 11:49
S42	63	(382/176.ccls. or pr 382/228.ccls. or 358/462.ccls. or 345/619.ccls.) and (squar$3 near7 gradient)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 11:45
S41	6	((US-6631210-$ or US-6078697-$ or US-5331442-$ or US-6233353-$ or US-6111982-$ or US-5502793-$ or US-6195459-$ or US-6529629-$ or US-6272240-$ or US-5867593-$ or US-6466693-$).did.) and (squar$3 or "power of two")	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/11/18 11:44

S40	0	((US-6631210-$ or US-6078697-$ or US-5331442-$ or US-6233353-$ or US-6111982-$ or US-5502793-$ or US-6195459-$ or US-6529629-$ or US-6272240-$ or US-5867593-$ or US-6466693-$).did.) and (squared or "power of two")	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/11/18 11:42
S39	11	(US-6631210-$ or US-6078697-$ or US-5331442-$ or US-6233353-$ or US-6111982-$ or US-5502793-$ or US-6195459-$ or US-6529629-$ or US-6272240-$ or US-5867593-$ or US-6466693-$).did.	USPAT	OR	OFF	2003/11/18 11:41
S38	2	"5293430".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 10:21
S37	2	"5850474".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 10:21
S36	2	"6266156".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 10:20
S35	2	"6466693".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 10:19
S34	2	"6473202".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 10:18
S32	2	358/462.ccls. and (gradient and squared and pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 10:03
S30	561	358/462.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 10:01
S26	661	345/619.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 09:57
S24	258	382/228.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 09:54

S21	163	gradient and smoothness and pixel and squared	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 09:41
S20	106	(("345"/$.ccls. or "382"/$.ccls or "358"/$.ccls.) and (gradient and pixel and squared)) not (("345"/$.ccls. or "382"/$.ccls or "358"/$.ccls.) and (gradient and smoothness and pixel and squared))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 09:41
S19	18	("345"/$.ccls. or "382"/$.ccls or "358"/$.ccls.) and (gradient and smoothness and pixel and squared)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 09:39
S18	124	("345"/$.ccls. or "382"/$.ccls or "358"/$.ccls.) and (gradient and pixel and squared)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 09:37
S12	2	"5502793".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/18 08:35
S10	2	"5751861".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/14 14:25
S9	2	"5745601".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/14 14:24
S7	2	"6078697".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/14 14:24
S8	2	"5331442".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/14 14:23
S6	1	"6631210".pn.	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/11/14 14:22
S4	975	andree.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/11/14 14:18

Terms used
gradient pixel spatial sum text image squared squaring

Found **78** of **160,906**

Sort results by: relevance

Display results: expanded form

Save results to a Binder

Search Tips

☐ Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 20 of 78 Result page: **1** 2 3 4 next

Relevance scale

1 Filtering high quality text for display on raster scan devices

J. Kajiya, M. Ullner

August 1981 **ACM SIGGRAPH Computer Graphics , Proceedings of the 8th annual conference on Computer graphics and interactive techniques**, Volume 15 Issue 3

Full text available: pdf(719.11 KB) Additional Information: full citation, abstract, references, citings

4 Image-driven simplification

Peter Lindstrom, Greg Turk

July 2000 **ACM Transactions on Graphics (TOG)**, Volume 19 Issue 3

Full text available: pdf(1.98 MB) Additional Information: full citation, abstract, references, citings, index terms

We introduce the notion of image-driven simplification, a framework that uses images to decide which portions of a model to simplify. This is a departure from approaches that make polygonal simplification decisions based on geometry. As with many methods, we use the edge collapse operator to make incremental changes to a model. Unique to our approach, however, is the use at comparisons between images of the original model against those of a simplified model to determine the ...

Keywords: image metrics, level-of-detail, polygonal simplification, visual perception

5 Nonlinear optimization framework for image-based modeling on programmable graphics hardware

Karl E. Hillesland, Sergey Molinov, Radek Grzeszczuk

July 2003 **ACM Transactions on Graphics (TOG)**, Volume 22 Issue 3

Full text available: pdf(1.32 MB) Additional Information: full citation, abstract, references, citings, index terms

Graphics hardware is undergoing a change from fixed-function pipelines to more programmable organizations that resemble general purpose stream processors. In this paper, we show that certain general algorithms, not normally associated with computer graphics, can be mapped to such designs. Specifically, we cast nonlinear optimization as a data streaming process that is well matched to modern graphics processors. Our framework is particularly well suited for solving image-based modeling problems s ...

Keywords: image-based modeling, nonlinear optimization, programmable graphics hardware

6 Three-dimensional object recognition

Paul J. Besl, Ramesh C. Jain

March 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 1

Full text available: pdf(7.76 MB) Additional Information: full citation, abstract, references, citings, index terms, review

A general-purpose computer vision system must be capable of recognizing three-dimensional (3-D) objects. This paper proposes a precise definition of the 3-D object recognition problem, discusses basic concepts associated with this problem, and reviews the relevant literature. Because range images (or depth maps) are often used as sensor input instead of intensity images, techniques for obtaining, processing, and characterizing range data are also surveyed.

7 Three-dimensional medical imaging: algorithms and computer systems

M. R. Stytz, G. Frieder, O. Frieder

December 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 4

Full text available: pdf(7.38 MB) Additional Information: full citation, references, citings, index terms, review

Keywords: Computer graphics, medical imaging, surface rendering, three-dimensional imaging, volume rendering

8 Quadrature prefiltering for high quality antialiasing

Brian Guenter, Jack Tumblin

October 1996 **ACM Transactions on Graphics (TOG)**, Volume 15 Issue 4

Additional Information: full citation, abstract, references, citings, index

Full text available: pdf(2.09 MB) terms

This article introduces quadrature prefiltering, an accurate, efficient, and fairly simple algorithm for prefiltering polygons for scanline rendering. It renders very high quality images at reasonable cost, strongly suppressing aliasing artifacts. For equivalent RMS error, quadrature prefiltering is significantly faster than either uniform or jittered supersampling. Quadrature prefiltering is simple to implement and space-efficient; it needs only a small two-dimensional lookup table, even w ...

Keywords: antialiasing, prefiltering

9 Graphcut textures: image and video synthesis using graph cuts

Vivek Kwatra, Arno Schödl, Irfan Essa, Greg Turk, Aaron Bobick
July 2003 **ACM Transactions on Graphics (TOG)**, Volume 22 Issue 3

Full text available: pdf(23.86 MB) Additional Information: full citation, abstract, references, citings

In this paper we introduce a new algorithm for image and video texture synthesis. In our approach, patch regions from a sample image or video are transformed and copied to the output and then stitched together along optimal seams to generate a new (and typically larger) output. In contrast to other techniques, the size of the patch is not chosen *a-priori*, but instead a *graph cut* technique is used to determine the optimal patch region for any given offset between the input and outpu ...

Keywords: image and video processing, image-based rendering, machine learning, natural phenomenon, texture synthesis

10 Offline handwritten Chinese character recognition by radical decomposition

Daming Shi, Robert I. Damper, Steve R. Gunn
March 2003 **ACM Transactions on Asian Language Information Processing (TALIP)**, Volume 2 Issue 1

Full text available: pdf(176.69 KB) Additional Information: full citation, abstract, references, index terms

Offline handwritten Chinese character recognition is a very hard pattern-recognition problem of considerable practical importance. Two popular approaches are to extract features holistically from the character image or to decompose characters structurally into component parts---usually strokes. Here we take a novel approach, that of decomposing into radicals on the basis of image information (i.e., without first decomposing into strokes). During training, 60 examples of each radical were represe ...

Keywords: Chinese computing, Viterbi decoding, active shape modeling, offline character recognition

11 Face recognition: A literature survey

W. Zhao, R. Chellappa, P. J. Phillips, A. Rosenfeld
December 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 4

Full text available: pdf(4.28 MB) Additional Information: full citation, abstract, references, citings, index terms

As one of the most successful applications of image analysis and understanding, face recognition has recently received significant attention, especially during the past several years. At least two reasons account for this trend: the first is the wide range of commercial and law enforcement applications, and the second is the availability of feasible technologies after 30 years of research. Even though current machine recognition systems have reached a certain level of maturity, their success is ...

Keywords: Face recognition, person identification

12 Session 4: video processing and transformation: Painting with looks: photographic images from video using quantimetric processing

Steve Mann, Corey Manders, James Fung
December 2002 **Proceedings of the tenth ACM international conference on Multimedia**

Full text available: pdf(861.14 KB) Additional Information: full citation, abstract, references, citings

When we ask the fundamental question "What does a camera measure?", we arrive at the concept of quantimetric imaging, which uses a new quantimetric unit, *q*, characteristic of a particular camera (e.g. each kind of camera defines its own quantimetric unit *q* based on its spectral response, etc.). Fluctuations in interframe exposures, along a sequence of images, give rise to a *comparametric* relationship between successive pairs of images. This allows us to estimate the response ...

Keywords: comparametric equations, comparametrics, image processing, multiple exposures, video

13 Special issue on independent components analysis: A generative model for separating illumination and reflectance from images

Inna Stainvas, David Lowe
December 2003 **The Journal of Machine Learning Research**, Volume 4

Full text available: pdf(764.42 KB) Additional Information: full citation, abstract, index terms

It is well known that even slight changes in nonuniform illumination lead to a large image variability and are crucial for many visual tasks. This paper presents a new ICA related probabilistic model where the number of sources exceeds the number of sensors to perform an image segmentation and illumination removal, simultaneously. We model illumination and reflectance in log space by a generalized autoregressive process and Hidden Gaussian Markov random field, respectively.The model ability to d ...

14 Real-time procedural textures

John Rhoades, Greg Turk, Andrew Bell, Andrei State, Ulrich Neumann, Amitabh Varshney
June 1992 **Proceedings of the 1992 symposium on Interactive 3D graphics**

Full text available: pdf(1.61 MB) Additional Information: full citation, references, citings, index terms

15 A Frequency-Sensitive Point Hierarchy for Images and Volumes

Tomihisa Welsh, Klaus Mueller
October 2003 **Proceedings of the 14th IEEE Visualization 2003 (VIS'03) VIS '03**

Full text available: pdf(699.19 KB) Additional Information: full citation, abstract

This paper introduces a method for converting an image or volume sampled on a regular grid into a space-efficient irregular point hierarchy. The conversion process retains the original frequency characteristics of the dataset by matching the spatial distribution of sample points with the required frequency. To achieve good blending, the spherical points commonly used in volume rendering are generalized to ellipsoidal point primitives. A family of multiresolution, oriented Gabor wavelets provide ...

Keywords: volume rendering, point-based rendering, splatting

16 Fragment-based image completion

Iddo Drori, Daniel Cohen-Or, Hezy Yeshurun
July 2003 **ACM Transactions on Graphics (TOG)**, Volume 22 Issue 3

Full text available: pdf(8.99 MB) Additional Information: full citation, abstract, references, citings, index terms

We present a new method for completing missing parts caused by the removal of foreground or background elements from an image. Our goal is to synthesize a complete, visually plausible and coherent image. The visible parts of the image serve as a training set to infer the unknown parts. Our method iteratively approximates the unknown regions and composites adaptive image fragments into the image. Values of an inverse matte are used to compute a confidence map and a level set that direct an increm ...

Keywords: compositing, digital matting, example-based synthesis, image completion

17 Adaptive radiosity textures for bidirectional ray tracing

Paul S. Heckbert

September 1990 **ACM SIGGRAPH Computer Graphics , Proceedings of the 17th annual conference on Computer graphics and interactive techniques**, Volume 24 Issue 4

We present a rendering method designed to provide accurate, general simulation of global illumination for realistic image synthesis. Separating surface interaction into diffuse plus specular, we compute the specular component on the fly, as in ray tracing, and store the diffuse component (the radiosity) for later-reuse, similar to a radiosity algorithm. Radiosities are stored in *adaptive radiosity textures (rexes)*[1] that record the pattern of light and shadow on every diffuse su ...

18 Anisotropic diffusion for Monte Carlo noise reduction

Michael D. McCool

April 1999 **ACM Transactions on Graphics (TOG)**, Volume 18 Issue 2

Monte Carlo sampling can be used to estimate solutions to global light transport and other rendering problems. However, a large number of observations may be needed to reduce the variance to acceptable levels. Rather than computing more observations within each pixel, if spatial coherence exists in image space it can be used to reduce visual error by averaging estimators in adjacent pixels. Anisotropic diffusion is a space-variant noise reduction technique that can selectively preserve text ...

Keywords: Monte Carlo methods, anisotropic diffusion, global illumination, image processing, image synthesis, light transport, noise reduction, space-variant filtering

19 HDR and tone mapping: Interactive time-dependent tone mapping using programmable graphics hardware

Nolan Goodnight, Rui Wang, Cliff Woolley, Greg Humphreys

June 2003 **Proceedings of the 14th Eurographics workshop on Rendering EGRW '03**

Modern graphics architectures have replaced stages of the graphics pipeline with fully programmable modules. Therefore, it is now possible to perform fairly general computation on each vertex or fragment in a scene. In addition, the nature of the graphics pipeline makes substantial computational power available if the programs have a suitable structure. In this paper, we show that it is possible to cleanly map a state-of-the-art tone mapping algorithm to the pixel processor. This allows an inter ...

20 Texture synthesis: Wavelet noise

Robert L. Cook, Tony DeRose

July 2005 **ACM Transactions on Graphics (TOG)**, Volume 24 Issue 3

Noise functions are an essential building block for writing procedural shaders in 3D computer graphics. The original noise function introduced by Ken Perlin is still the most popular because it is simple and fast, and many spectacular images have been made with it. Nevertheless, it is prone to problems with aliasing and detail loss. In this paper we analyze these problems and show that they are particularly severe when 3D noise is used to texture a 2D surface. We use the theory of wavelets to cr ...

Keywords: multiresolution analysis, noise, procedural textures, rendering, shading,

texture synthesis, texturing, wavelets

Terms used **gradient pixel spatial sum text image absolute value**

Found **4** of **160,906**

Sort results by: relevance

Display results: expanded form

Save results to a Binder

Search Tips

☐ Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 4 of 4

Relevance scale

1 Computational strategies for object recognition

Paul Suetens, Pascal Fua, Andrew J. Hanson

March 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 1

Full text available: pdf(6.37 MB) Additional Information: full citation, abstract, references, citings, index terms, review

This article reviews the available methods for automated identification of objects in digital images. The techniques are classified into groups according to the nature of the computational strategy used. Four classes are proposed: (1) the simplest strategies, which work on data appropriate for feature vector classification, (2) methods that match models to symbolic data structures for situations involving reliable data and complex models, (3) approaches that fit models to the photometry and ...

Keywords: image understanding, model-based vision, object recognition

2 The RADIANCE lighting simulation and rendering system

Gregory J. Ward

July 1994 **Proceedings of the 21st annual conference on Computer graphics and interactive techniques**

Full text available: pdf(2.36 MB) Additional Information: full citation, abstract, references, citings, index terms

This paper describes a physically-based rendering system tailored to the demands of lighting design and architecture. The simulation uses a light-backwards ray-tracing method with extensions to efficiently solve the rendering equation under most conditions. This includes specular, diffuse and directional-diffuse reflection and transmission in any combination to any level in any environment, including complicated, curved geometries. The simulation blends deterministic and stochastic ray-trac ...

Keywords: Monte Carlo, lighting simulation, physically-based rendering, radiosity, ray-tracing

3 Session P2: flow and time-dependent visualization: Enridged contour maps

Jarke J. van Wijk, Alexandru Telea

October 2001 **Proceedings of the conference on Visualization '01**

Full text available: pdf(2.01 MB) Publisher Site Additional Information: full citation, abstract, references, index terms

The visualization of scalar functions of two variables is a classic and ubiquitous application. We present a new method to visualize such data. The method is based on a non-linear mapping of the function to a height field, followed by visualization as a shaded mountain landscape. The method is easy to implement and efficient, and leads to intriguing and

insightful images: The visualization is enriched by adding ridges. Three types of applications are discussed: visualization of iso-levels, clust ...

Keywords: contours, flow visualization, height fields, mapping, multivariate visualization

4 Robust mesh watermarking

Emil Praun, Hugues Hoppe, Adam Finkelstein

July 1999 **Proceedings of the 26th annual conference on Computer graphics and interactive techniques**

Full text available: pdf(2.08 MB) Additional Information: full citation, references, citings, index terms

Keywords: copyright protection, steganography

Results 1 - 4 of 4

Results for "(((gradient <and> spatial <and> pixel <and> sum <and> text <and> image..."

e-mail printer friendly

Your search matched **0** documents.

A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Search Options

View Session History

New Search

Modify Search

(((gradient <and> spatial <and> pixel <and> sum <and> text <and> image <and> sqa

Check to search only within this results set

Display Format: Citation Citation & Abstract

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

No results were found.

Please edit your search criteria and try again. Refer to the Help pages if you need assistance revising your search.

Results for "(((gradient <and> spatial <and> pixel <and> sum <and> text <and> image..."

Your search matched 0 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

» Search Options

Modify Search

(((gradient <and> spatial <and> pixel <and> sum <and> text <and> image <and> sqa

Check to search only within this results set

Display Format: Citation Citation & Abstract

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

No results were found.

Please edit your search criteria and try again. Refer to the Help pages if you need assistance revising your search.

Results for "(((gradient <and> spatial <and> pixel <and> sum <and> text <and> image..."

Your search matched **0** documents.

A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Search Options

View Session History

New Search

Modify Search

(((gradient <and> spatial <and> pixel <and> sum <and> text <and> image <and> abs

☐ Check to search only within this results set

Display Format: ◉ Citation ○ Citation & Abstract

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

No results were found.

Please edit your search criteria and try again. Refer to the Help pages if you need assistance revising your search.

Searching PAJ

MENU | NEWS | HELP

Search Results : 0

Clear

Text Search If you want to conduct a Number Search, please click on the button to the right. Number Search

Applicant,Title of invention,Abstract — e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

gradient pixel spatial sum text image AND

AND

square squaring squared OR

AND

AND

AND

Date of publication of application — e.g.19980401 - 19980405

-

AND

IPC — e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

Search Stored data

Searching PAJ

MENU | NEWS | HELP

Search Results : 0

Clear

Text Search If you want to conduct a Number Search, please click on the button to the right. Number Search

Applicant,Title of invention,Abstract --- e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

gradient pixel spatial sum AND

AND

square squaring squared OR

AND

AND

AND

Date of publication of application --- e.g.19980401 - 19980405

-

AND

IPC --- e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

Search Stored data

Searching PAJ

MENU | NEWS | HELP

Search Results : 0

Clear

Text Search If you want to conduct a Number Search, please click on the button to the right. Number Search

Applicant,Title of invention,Abstract — e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

gradient pixel spatial sum AND

AND

absolute value AND

AND

AND

AND

Date of publication of application — e.g.19980401 - 19980405

-

AND

IPC — e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

Search Stored data

Searching PAJ

MENU | NEWS | HELP

Search Results : 0

Clear

Text Search If you want to conduct a Number Search, please click on the button to the right. Number Search

Applicant,Title of invention,Abstract — e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

gradient pixel spatial sum AND

AND

absolute AND

AND

AND

AND

Date of publication of application — e.g.19980401 - 19980405

\-

AND

IPC — e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

Search Stored data

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L61	0	345/599.ccls. and (gradient same squared)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 15:57
L60	0	345/598.ccls. and (gradient same squared)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 15:57
L59	0	345/599.ccls. and (gradient same absolute)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 15:57
L58	0	345/598.ccls. and (gradient same absolute)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 15:57
L57	22	345/598.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/14 15:57
L56	21	345/599.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/14 15:57